

**PARTS & SERVICE
NEWS**

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SUBJECT: TO MODIFY COMMON RAIL FLOW DAMPER ON WA500-3 WITH SA6D140E-3

PURPOSE: To modify common rail flow damper of SA6D140E-3 engine for WA500-3 to prevent a possibility of flow damper crack and fuel leakage.

APPLICATION: WA500-3 Wheel Loaders, Serial Nos. 110416 thru 110471
(Machine installed SA6D140E-3 engine)

FAILURE CODE: A710HA

DESCRIPTION:

1. Introduction

As of flow damper of common rail of SA6D140E-3 engine for WA500-3, there is a possibility of flow damper crack and fuel leakage, if some excessive force would be loaded when we install injection tube, etc. This news shows the way of modification of common rail for stronger flow damper.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
6217-71-1211 (6217-71-1210)	Rail (Rail)	Replacement	1 (1)	

3. Way of the modification

To change the common rail assembly according to the following way

WARNING

When the engine is running, high-pressure fuel is generated in the engine fuel piping. Do not remove or loosen fuel system piping when engine is running. When carrying out inspection or maintenance, stop the engine and wait at least 30 seconds to allow internal pressure to go down.

(1) To change common rail assembly, according to shop manual.

(2) In the case of new common rail installation like this, it may take longer period for restarting the engine, because of no fuel existing in the common rail.

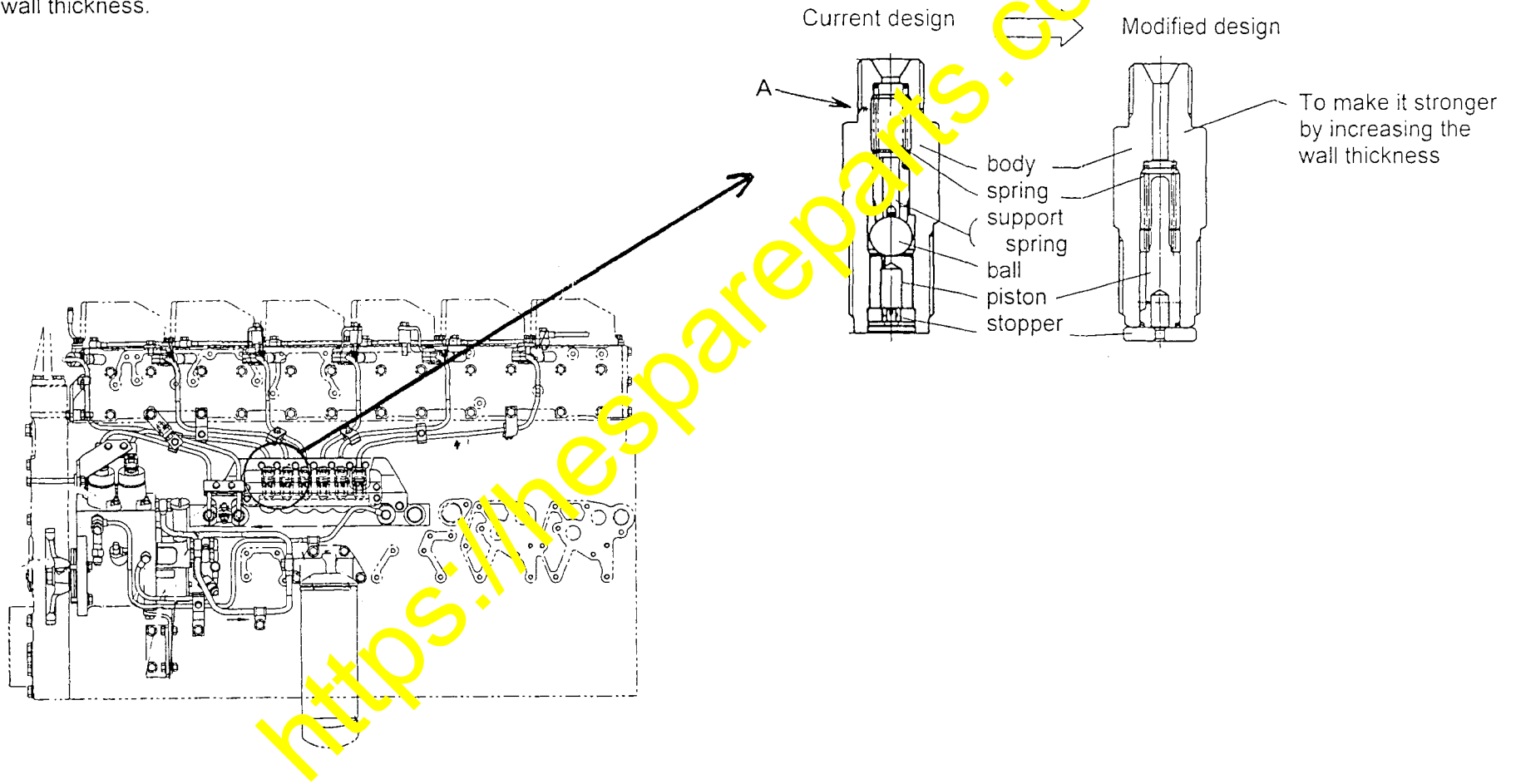
It will be effective to improve this situation, if you fill fuel into the common rail by hand priming action at supply pump, before you tighten the fuel injection pipe sleeve nuts between common rail and injectors.

This treatment makes restarting lead time shorter.

<https://hespareparts.com/>

4. Content of the modification

- (1) As of flow damper of common rail, there is a possibility of flow damper crack around "A" area and fuel leakage, if some excessive force would be loaded when we install injection tube, etc.
- (2) We strengthen the flow damper by changing the configuration and increasing the wall thickness.



Object number machine list

1. WA500-AC-3: for KA
(67 machine)

No.	ENG. No.	
1	28235	
2	110001	
3	110015	
4	110016	A71006
5	110017	
6	110018	
7	110019	
8	110020	
9	110021	
10	110030	
11	110031	A71004
12	110032	
13	110033	
14	110034	A71003
15	110035	A71005
16	110046	
17	110047	
18	110048	
19	110049	
20	110050	
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64	110243	
65	110244	
66	110245	
67	110246	

2. WA500-HH-3: for KOHAG
(96 machine)

No.	ENG. No.
1	110004
2	110005
3	110006
4	110070
5	110077
6	110078
7	110079
8	110080
9	110081
10	110101
11	110102
12	110103
13	110104
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61	110394
62	110395
63	110396
64	110397
65	110398
66	110399
67	110400
68	110401
69	110402

3. WA500-3E:
(11 machine)

No.	ENG. No.	No.
1	110416	52001
2	110417	52002
3	110431	52003
4	110432	52004
5	110433	52005
6	110434	52006
7	110435	52007
8	110436	52008
9	110469	52009
10	110470	52010
11	110471	52011